

## The Typical Assumptions Made by Motion Capture Systems Listed in Rank order According to Frequency

Assumptions related to movements		Assumptions related to Appearance	
1. The subject remains inside the workspace		<b>Environment</b>	
2. None or constant camera motion	◀	1. Constant lighting	◀
3. Only one person in the workspace at the time	◀	2. Static background	◀
4. The subject faces the camera at all time	x	3. Uniform background	x
5. Movements parallel to the camera-plane	x	4. Known camera parameters	x
6. No occlusion	x	5. Special hardware	x
7. Slow and continuous movements	x	<b>Subject</b>	
8. Only move one or a few limbs	x	1. Known start pose	x
9. The motion pattern of the subject is known.	x	2. Known subject	x
10. Subject moves on a flat ground plane	◀	3. Markers placed on the subject	x
		4. Special coloured clothes	x
		5. Tight-fitting clothes	x